

AUMUND GROUP SPANNING THE GLOBE

The AUMUND Group offers efficient solutions for conveying and storage of bulk materials. A particular strength is the technologically mature and extremely reliable machinery for handling all kinds of bulk materials, even hot, abrasive or sticky. Nearly 24,000 installations worldwide substantiate the excellent reputation and good market position of the Group. The companies of the AUMUND Group are active in about 150 countries with 20 locations all over the world and a global network of almost 100 representatives.

AUMUND Holding B.V. / The Netherlands

AUMUND Fördererbau GmbH / Germany

AUMUND Fördertechnik GmbH / Germany
Branch Office St. Petersburg / Russia
Branch Office Dubai / U.A.E
Branch Office Wrocław / Poland

AUMUND S.A.R.L. / France

AUMUND Corporation / USA

AUMUND Ltda / Brazil

AUMUND Machinery Technology (Beijing) Co. Ltd / China

AUMUND Asia (H.K.) Ltd / Hong Kong / China
Branch Office Jakarta / Indonesia

AUMUND Engineering Private Ltd / India

SCHADE Lagertechnik GmbH / Germany
Branch Office Moscow / Russia

SAMSON Materials Handling Ltd / GB
Branch Office Bristol / GB

AUMUND Group Field Service GmbH / Germany

TILEMANN GmbH / Germany

AUMUND Logistic GmbH / Germany

The AUMUND Group operates Service Centres and Warehouses for spare parts in Germany, the USA, Brazil, Hong Kong, Saudi Arabia, and in Great Britain. Almost 60 dedicated Supervisors tend to clients' needs across the globe and a specialized PREMÁS® Team provides Preventative Maintenance and Service support including inspection and consulting.

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MOBILE SOLUTIONS



SAMSON
AUMUND GROUP



SAMSON Materials Handling Ltd
www.aumund.com

WE CONVEY QUALITY

SAMSON
AUMUND GROUP



Since the mid-1960s, SAMSON Materials Handling Ltd has enjoyed recognition as a specialist in mobile solutions for the handling of bulk materials. The company is located in Ely in the county of Cambridgeshire in the UK and has been contributing to an enhancement of the product portfolio of the AUMUND Group since 2002.

SAMSON has gained a good reputation internationally, not only in ports and terminals, but also in the cement, steel, iron and aluminium industry, in quarries and processing, in power plants and in the handling of alternative fuels.

SAMSON has developed a wide range of mobile loading and unloading systems for handling bulk materials in different applications in a variety of industries. Flexibility, dependability, quality, safety and performance are at the core of every product concept, whether for the reception of bulk materials from trucks, rail wagons or ships, or for discharging, for example onto existing belt conveyors in quarries.

Sales activities are carried out directly from Ely as well as through the international subsidiaries of the AUMUND Group, in addition to a large network of local agents, who are constantly in direct contact with customers.

INDUSTRIES

PORTS & TERMINALS

SAMSON Materials Handling has established a suite of ship loading and discharge appliances tailored to the ports and terminals business handling dry bulk cargoes. Specifically developed to offer both flexibility in operation from existing berths and high performance loading, whilst respecting the highest environmental standards for dust and pollution control.

MINING & MINERALS

The SAMSON range of bulk handling solutions is dedicated to the reliable intake, storage, export and import of minerals and concentrates at the quarry, mine, terminal and processor. Mobility is at the core of our product concept; from truck intake, through to mobile stacking and ship loading solutions able to operate from existing or temporary berths.

AGRIBULKS

SAMSON Materials Handling has designed a comprehensive range of mobile equipment for the storage and export of cereals and similar agribulks. Our equipment provides high performance with handling rates on Shiploaders to 1200 tonnes per hour with the flexibility of operating independently of dedicated infrastructure or port facilities.

ALTERNATIVE FUELS

Alternative fuels such as biomass, agricultural waste products, end of life tyres, paper, plastics, Refuse Derived Fuel (RDF) all form part of the fuel mix in many cement and power plants. All of these materials present a challenge to the materials handling plant designer given that they are different in their characteristics.

PRODUCTS

- Shiploaders
- Eco Hoppers
- STORMAJOR®
- Samson® Material Feeders
- Link & Telescopic Conveyors

IRON & STEEL

For the intake of raw materials and by-products throughout the steel works and associated plant, the SAMSON Mobile Material Feeder provides a flexible alternative to conventional deep pits and hoppers receiving material direct from tipping trucks. SAMSON heavy duty Shiploaders provide an ideal mobile solution for safe delivery of heavy bulk materials.

POWER

SAMSON Materials Handling offers a range of economical handling solutions for the loading and discharge of rail wagons, road trucks, barges and ships to Panamax size using a combination of surface mounted and mobile solutions. These can be incorporated into the existing infrastructure of power plants.

CEMENT

SAMSON Materials Handling is a recognised specialist for the conveying and storage of all bulk materials in the cement and related industries. The SAMSON range of products provides the link from the point of origin or quarry, through storage and transportation, to processing.

FERTILISER

When designing SAMSON fertiliser equipment, special consideration is given to the form and the properties of the material to be conveyed. Also this relates to the extra durability in the wear plates and liners. This means dust production at the transfer and source is minimised with specialised filtration units and enclosures.

SERVICES

- After Sales Services
- Conversions
- PREMAS® / PREMAS® 4.0
Preventive and Predictive Maintenance Solutions

SHIPLOADERS



MOBILE PRODUCTIVITY

The SAMSON Mobile Shiploader offers flexible solutions for every loading application. The fully mobile chassis allows operations on every berth. Different designs match every type of vessel from barges to Panamax size. Loading capacity reaches up to 2,000 tons per hour.

This is depending on the specifics of the material being handled. SAMSON Mobile Shiploaders are a cost effective and fast track solution to dynamic market conditions. The operation of SAMSON Mobile Shiploaders can be enhanced when configured with

a single or double Samson® Material Feeder at the reception point.

Requiring no fixed works or services SAMSON Mobile Shiploaders can be moved away from the operational area when not in use making them ideal for narrow or multi-purpose quays.

The shiplading system is enhanced with specialised trimming equipment, covers and enclosures relevant to the material being conveyed.

SHIPLOADERS



FEATURES

- Comprehensive options of trimming equipment: Cascade trimming chute, variable speed radial thrower, radial distributor
- Optional cambered boom
- Full powered travel with in-line and parallel motion
- Can be used independently or attached to a single/double Samson® Material Feeder
- Outloading boom with integral three roll troughing idlers
- Throwers and chute distributors available with radio remote control
- Levelling blade to provide controlled feed rate
- Choice of power drive: diesel, electric or diesel/electric

BENEFITS

- Provides dust-free loading to the vessel hold and allows for fast trimming of entire vessel
- Powered travel - ideal for narrow quays
- Slewing ring mount between Samson® Material Feeder and Shiploader permits 180 degrees working arc
- By mounting the Shiploader to 1-2 Samson® Material Feeders, the entire equipment can be moved as an integrated unit
- Three roll troughing idlers support conveyor belt in conveyor design for maximum rigidity and minimum weight
- Remote control allows for operator to stand close to and watch the trimming, rather than operate from a distance
- Optimise shiploading loading process
- Harvesting performance update information

ECO HOPPERS



MOBILE ECO-FRIENDLY UNLOADING

The SAMSON Eco Hopper is an economical and ecologically sensitive solution fulfilling all needs for the efficient import of dry bulk cargoes. Its compact design is engineered to combat fugitive dust while at the same time optimising the flow and intake speed of raw materials. Designed to suit characteristics and flow properties of virtually any bulk material, rates of 5,000 tons per hour may be achieved, subject to a grab crane performance. The throughput of the terminal can be increased by adding one or more

hoppers and ensuring that onward handling systems can accommodate the increased capacity.

The SAMSON Eco Hopper is designed to serve busy ports. It receives bulk materials from vessel mounted or shore based grabs and employs a variety of dust control measures before discharging the material into trucks, rail cars or onto a transfer belt conveyor. Mounted on rails or wheels the Eco Hopper can be positioned along the quay as required.

ECO HOPPERS



FEATURES

- Extensive dust control features: flex flaps, dust seals, dust control filters, air compressor
- Multiple discharge options: to conveyor, to truck, via telescopic chute, through ancillary Material Feeder
- Multiple travel options: rail, static or pneumatic tyre mounted, powered and towable travel
- Increased safety features: level detectors, strain gauges, structurally designed to withstand overload
- Robust design: top shroud, grab impact grill

BENEFITS

- Minimise escape of fugitive dust
- Fit to any onwards processing or logistics requirements
- Can be used on non-dedicated quays and moved off the area when not in use
- Flexible positioning to suit unloading vessel
- Ability to work with a wide variety of materials with differing characteristics
- Low Ground pressure
- Ground level maintenance
- Enhance mobility and controls
- Remote access
- Harvesting performance update information



ULTRA-HIGH PERFORMANCE

The SAMSON mobile Stormajor® opens up new possibilities for stockpiling, barge loading and rail car loading. It combines an outloading boom and a buffer reception hopper on a single chassis. Tracked or wheeled it has the unique benefit of total mobility, providing universal applications and ultra-high performance. It has the flexibility to receive a wide range of materials directly from tipping trucks, shovels or even articulated dump trucks. Its outloading boom permits directional control over loading and stacking. Its high manoeuvrability and quick set up time make it ideal to respond to changing market needs.

Versatility is the strength of the SAMSON STORMAJOR® range. It is a compact piece of equipment which offers the performance of a fixed load system without the need for a permanent infrastructure.

Power and travel options, boom size, hopper reception unit and dust control features can all be tailored to suit the material and application.



FEATURES

- SAMSON STORMAJOR®: Samson® Material Feeder combined with a radial and luffing outloading boom conveyor into a single mobile machine
- Available as a tracked or wheeled unit
- Tracked version with 15 and 20 m boom
- Wheeled version boom length up to 27 m
- 3 different capacity ranges: 450 m³/h, 750 m³/h and 1250 m³/h
- Dust control features: enclosures and sealing rings
- Choice of power drive: diesel, electric or diesel/electric

BENEFITS

- Multiple function equipment
- Fit to any onwards processing or logistics requirements
- Can be used on non-dedicated quays and moved off the area when not in use
- Flexible positioning to suit unloading vessel
- Ability to work with a wide variety of materials with differing characteristics
- Ground level maintenance

SAMSON® MATERIAL FEEDERS



POWER & DURABILITY

The Samson® Mobile Material Feeder is a high performance truck unloader with proven reliability for continuous process industries. It receives bulk materials directly from tipping trucks and loading shovels, providing a buffer storage capacity and a controlled rate discharge. Installed above ground, with no need for deep pits and expensive civil engineering works, it's a flexible alternative to traditional underground hoppers. Using a wide belt design principle, any material may be reliably conveyed without the risk of bridging or blockage. Tracked or

wheeled versions available. Entry designs, enclosure and discharge options tailored to material and operation.

The Samson® Material Feeder can be used as a standalone reception unit or can be configured as part of a conveying system permitting efficient transfer of dry bulk materials from source to onward processing. The Samson® Material Feeder can convey a multitude of bulk materials where fixed plant is not an option.

SAMSON® MATERIAL FEEDERS



FEATURES

- ▮ Discharge control: levelling blade, rotating teaser for extremely cohesive materials
- ▮ Wide apron belt design
- ▮ Trapezoidal shaped apron bars at every chain pitch
- ▮ Flexible side seals
- ▮ Different body and entry designs
- ▮ Dust and fume control enclosures are available as options

BENEFITS

- ▮ No deep pits or underground hoppers
- ▮ No civil works, giving flexibility of location
- ▮ Receives directly from a variety of vehicles
- ▮ Buffer holding capacity allows for continuous outgoing feed rate
- ▮ Handles dry and dusty materials
- ▮ Handles wet and sticky materials
- ▮ Reduced energy consumption
- ▮ Easy to maintain and service
- ▮ Wide apron belt design combines strength of a steel apron feeder with cleanliness of a belt feeder
- ▮ Flexible side seals prevent spillage and waste

LINK & TELESCOPIC CONVEYORS



FLEXIBLE SYSTEMS

Enhance your materials handling process with SAMSON Link & Telescopic Conveyors.

Designed to slot into an integrated system or act as a standalone piece of equipment SAMSON Link & Telescopic Conveyors can perform the crucial connection between material reception, ongoing processing, loading or storage.

They are adaptable to the evolving configurations of operational areas providing both flexibility and reliability.

The telescopic boom of the Telescopic Conveyor can provide an extra reach of 40 to 50 m when extended. This extra reach can prove invaluable for shiploading purposes when vessels have differing freeboard heights.

FEATURES

- High strength lattice structure
- Option of covers, dust filtration and trimming chutes
- Automation technology
- Automated stockpiling options

BENEFITS

- Controlled loading and stacking rates
- Easily transportable and immediately operational
- Reduces fuel consumption
- Integrated system controls

GLOBAL SUPPORT

AUMUND Group Warehouses



-  AUMUND Foerdertechnik GmbH
Spare & Wear Parts Distribution Center (Rheinberg / Germany)
-  SAMSON Materials Handling Spare & Wear Parts
Distribution Center (Ely / UK)
-  AUMUND Regional Spare & Wear Parts Distribution Centers
 - AUMUND Corporation (Atlanta / USA)
 - AUMUND Ltda (São Paulo / Brazil)
 - AUMUND Asia (H.K.) Ltd, China
 - Riyadh, Saudi Arabia



PREMAS® 4.0
Predictive Maintenance Solution

AFTER SALES SERVICES

SAMSON aims to deliver the highest standards of customer support and After Sales Services worldwide.

We have Service Centres and Warehousing in Germany, USA, Brazil, Hong Kong, Saudi Arabia and the UK where our dedicated team of engineers provide After Sales Services from quality control and commissioning to maintenance and repair.

Our experience of operating in heavy industries and ports means we understand that continuous production is vital to your profitability.

As such, we have developed a customer support team to provide the highest standards of on-site services. Our commitment is to delivering effective and timely customer-orientated service at every stage of the equipment lifecycle, helping to protect your production and maximise your return on capital investment.

Supervisor Services

We offer a wide range of supervisor services, from the initial advice on plant selection through to parts, maintenance, fully inclusive service contracts, inspection visits and reports.

Erection & Commissioning

A comprehensive service for the erection, site assembly and commissioning of all SAMSON products, plus operator and maintenance training is always available.

Conversions & Re-builds

We offer a comprehensive conversion and rebuild service across all products to extend the effective service life of the equipment thereby maximising the value of your investment.

Spare Parts

Critical genuine original spare parts are available from our Group Headquarters and ready for worldwide shipment, on demand, in the unlikely event of a component failure.

PREMAS® / PREMAs® 4.0 Preventive and Predictive Maintenance Solutions

PREMAS® has been the trademark for the customer service strategy of the AUMUND Group since 2004. The task and objective of PREMAs® is to offer a comprehensive maintenance program for all types of bulk handling equipment in many key industries. Today, the service concept of the AUMUND Group is based on two pillars: the classic personal on-site inspection for preventive maintenance PREMAs® (Preventive Maintenance Service) by certified inspectors and the

new predictive digital monitoring system PREMAs® 4.0 (Predictive Maintenance Solution). Launched at the beginning of 2021, the online monitoring solution PREMAs® 4.0 has already proven its practical applicability in numerous installations, including in cement plants worldwide. At the same time, PREMAs® 4.0 is part of the PREMAs® 360° maintenance packages, which have been on the market since the end of July 2021.